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**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hisashi SANO

Application No.: 10/029,185

Filed: December 28, 2001

Docket No.: 111602

For: IMAGE READING DEVICE AND PROGRAM, AND  
COMPUTER READABLE RECORDING MEDIUM

**PRELIMINARY AMENDMENT**

Director of the U.S. Patent and Trademark Office  
Washington, D. C. 20231

Sir:

Prior to initial examination on the merits, please amend the above-identified application as follows:

**IN THE SPECIFICATION:**

Page 3, lines 27-30, delete current paragraph and insert therefor:

Furthermore, the film scanner 10 is connected to a host computer (such as a personal computer or the like) 20 via the interface 16. Additionally, a keyboard 21 as an input device is connected to the host computer 20, and a monitor 22 as an output device is connected to the host computer 20.

Page 4, lines 11-12, delete current paragraph and insert therefor:

The A/D converter 19 A/D-converts the RGB signal which is output from the line sensor 14 and supplies the signal to the signal processor 15.

**IN THE CLAIMS:**

Please replace claims 4, 6, 11 and 12 as follows:

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4. (Amended) The image reading apparatus as set forth in claim 1, wherein the individual light density distribution calculation means changes the density characteristics which are used in the process of calculating the individual light density distributions according to a type of the transparent film original.

6. (Amended) The image reading apparatus as set forth in claim 1, further comprising:

transmitted light distribution calculation means for converting the individual light density distributions calculated by the individual light density distribution calculation means to individual light transmissivity distributions, and for calculating transmitted light distributions of the transparent film original from individual light distributions of a predetermined light source and the individual light transmissivity distributions.

11. (Amended) The image reading apparatus as set forth in claim 8, wherein the table creation means changes the density characteristics which are used in the process of calculating the individual light density distributions for each virtual color resolution signal according to a type of the transparent film original.

12. (Amended) The image reading apparatus as set forth in claim 8, wherein the table creation means converts the individual light density distributions to individual light transmissivity distributions, calculates transmitted light distributions from individual light distributions of a predetermined light source and the individual light transmissivity distributions, and calculates values of a predetermined table color system from the transmitted light distribution.

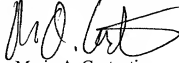
#### REMARKS

Claims 1-16 are pending. By this Amendment, typographical informalities present in the original specification are corrected, and claims 4, 6, 11 and 12 are amended to eliminate

multiple dependencies. The attached Appendix includes a marked-up copy of each rewritten paragraph (37 C.F.R. §1.121(b)(1)(iii)) and claim (37 C.F.R. §1.121(c)(1)(ii)).

Examination and allowance in due course are earnestly solicited.

Respectfully submitted,



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MAC/dmw

Date: July 10, 2002

Attachment:  
Appendix

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<p><b>DEPOSIT ACCOUNT USE AUTHORIZATION</b> Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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## APPENDIX

## Changes to Specification:

Page 3, lines 27-30:

Furthermore, the film scanner 10 is connected to a host computer (such as a personal computer or the like) 20 via the interface ~~49~~16. Additionally, a keyboard 21 as an input device is connected to the host computer 20, and a monitor 22 as an output device is connected to the host computer 20.

Page 4, lines 11-12:

The A/D converter 19 A/D-converts the RGB signal which is output from the line sensor 14 and supplies the signal to the signal processor ~~44~~15.

## Changes to Claims:

The following is a marked-up version of the amended claim(s):

4. (Amended) The image reading apparatus as set forth in ~~any of claims~~claim 1-3, wherein the individual light density distribution calculation means changes the density characteristics which are used in the process of calculating the individual light density distributions according to a type of the transparent film original.

6. (Amended) The image reading apparatus as set forth in ~~any of claims~~claim 1-5, further comprising:

transmitted light distribution calculation means for converting the individual light density distributions calculated by the individual light density distribution calculation means to individual light transmissivity distributions, and for calculating transmitted light distributions of the transparent film original from individual light distributions of a predetermined light source and the individual light transmissivity distributions.

11. (Amended) The image reading apparatus as set forth in ~~any of claims~~claim 8-  
10, wherein the table creation means changes the density characteristics which are used in the  
process of calculating the individual light density distributions for each virtual color  
resolution signal according to a type of the transparent film original.

12. (Amended) The image reading apparatus as set forth in ~~any of claims~~claim 8-  
11, wherein the table creation means converts the individual light density distributions to  
individual light transmissivity distributions, calculates transmitted light distributions from  
individual light distributions of a predetermined light source and the individual light  
transmissivity distributions, and calculates values of a predetermined table color system from  
the transmitted light distribution.

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